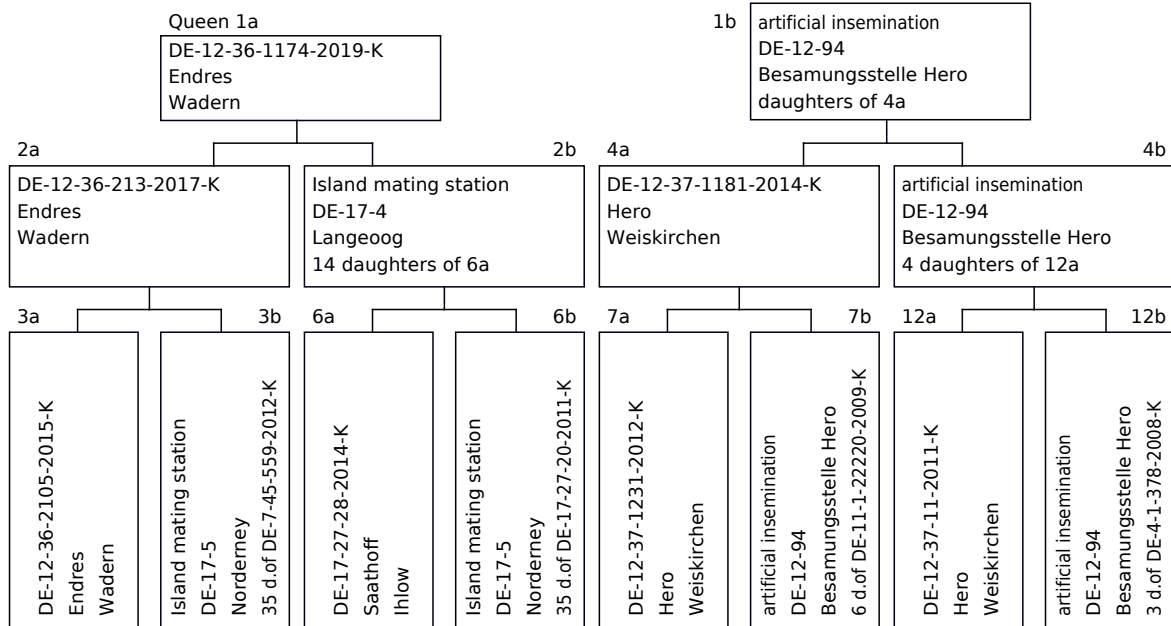


Tester of the queen: Endres, Karl, 66687 Wadern, DE-12-36, Apiary 1
 Breeder of the queen: Endres, Karl, 66687 Wadern, DE-12-36
1a Studbook number: **DE-12-36-1174-2019-K**

Race line: -Carnica Sign: green 74 Daughters of Queen: 4.1%
 Generation: 3 Hatch date: 30.07.2019 Workers: 2.2%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 8			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	69	118.2	1	7	58.4
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	114			
Honey yield	-	118			0.38
Defensive behavior	3.80	115			0.46
Steadiness on comb	3.80	117			0.45
Swarming drive	3.70	104			0.38
Varroa	-	107			0.4
Performance index	-	115			0.38
Robustness in winter	3.70		70%	100%	170%
Development in Spring	3.70				
Colony strength	3.80				

¹In accordance with the resolution of the breeder convention of 9th April 2011, for the total breeding value, Varroa tolerance is weighted by 40% and honey yield, gentleness, calmness during inspection, and swarming tendency are each weighted by 15%.

C. Performance of the sisters

See page 2

D. Body features, see appendix

See attached characteristic documents:

E. Results

Class Av

Selected for Varroa tolerance. Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations.

Breeding selection report DE-12-36-1174-2019-K

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Performance of the sisters

Amount of checked sisters: 6

Studbook number	Tester of the queen	Apiary	Total breeding value	Yield kg	Breeding Value Honey	Defensive behavior	Breeding Value Defensive Behavior	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance ndex
DE-12-36-1171-2019	DE-12-36	1	111	59	112	3.5	110	3.4	110	3.6	103	106	111
DE-12-36-1173-2019	DE-12-36	1	109	54.5	110	3.4	110	3.3	110	3.6	103	105	109
DE-12-36-1174-2019-K	DE-12-36	1	114	69	118	3.8	115	3.8	117	3.7	104	107	115
DE-12-36-1176-2019	DE-12-36	1	112	65	115	3.6	113	3.6	114	3.6	103	106	113
DE-12-36-1178-2019	DE-12-36	1	110	56	111	3.5	111	3.4	112	3.5	102	106	110
DE-12-36-1179-2019	DE-12-36	1	108	53.5	109	3.2	108	3.2	108	3.6	103	104	108